

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062322\
 Data File : VY009287.D
 Acq On : 23 Jun 2022 12:04
 Operator : KP/MD
 Sample : N3466-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 QA-QC-COMP-XRDS010-22

Quant Time: Jun 24 09:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	135407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	230017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	204900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73934	49.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.440%
35) Dibromofluoromethane	7.716	113	69275	46.505	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.000%
50) Toluene-d8	10.179	98	268126	46.855	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.720%
62) 4-Bromofluorobenzene	12.483	95	85294	42.418	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.840%

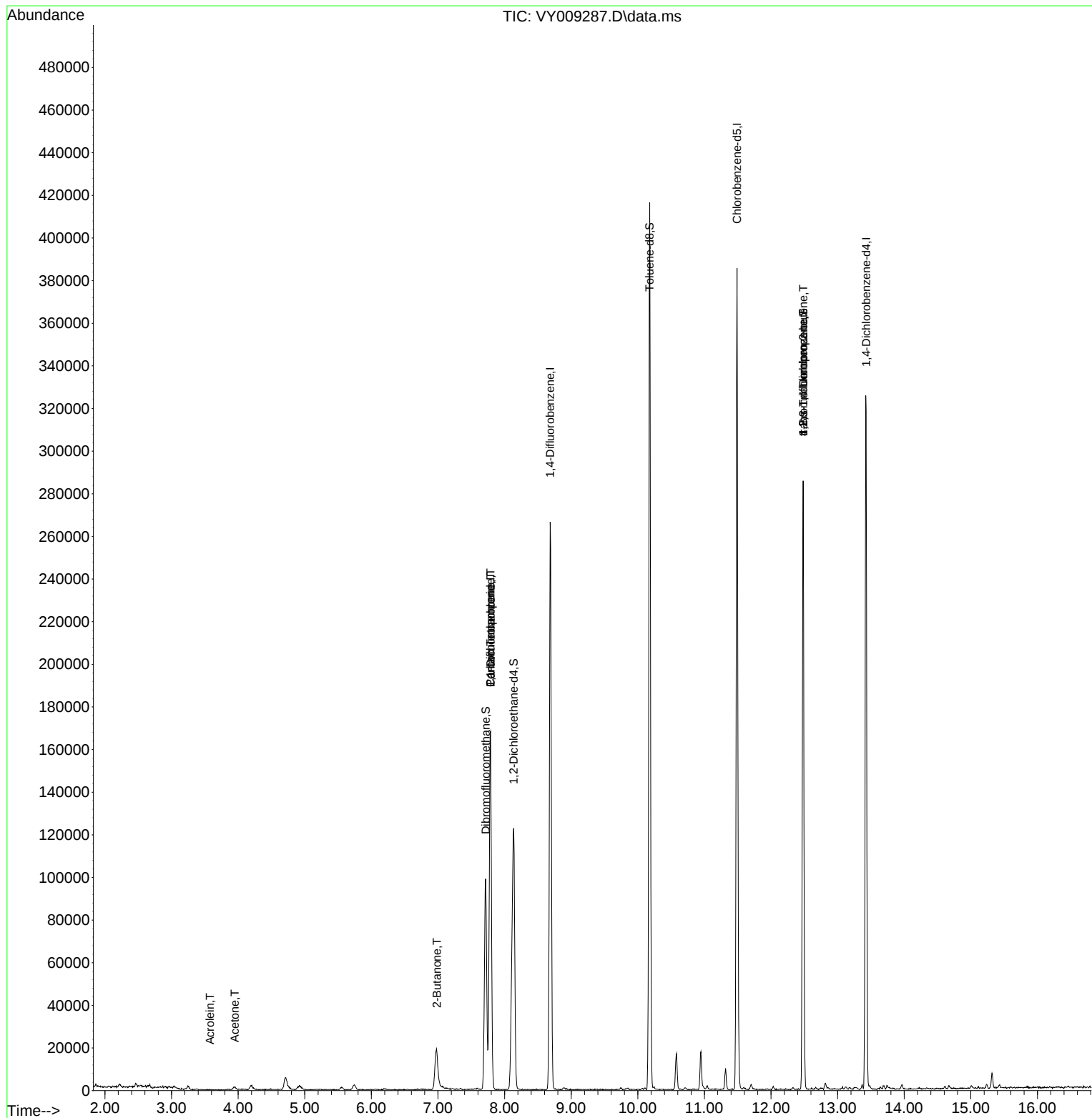
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.911	59	1302	Below Cal	#	77
13) Acrolein	3.576	56	20	30.339	ug/l #	14
16) Acetone	3.948	43	2289	6.230	ug/l	96
18) Methyl Acetate	4.479	43	92	Below Cal	#	56
20) Methylene Chloride	4.704	84	3869	Below Cal	#	75
25) 2-Butanone	6.984	43	1303	2.196	ug/l	92
36) 1,1-Dichloropropene	7.789	75	10473	4.620	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12311	5.223	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	42417	42.019	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42417	89.094	ug/l #	7

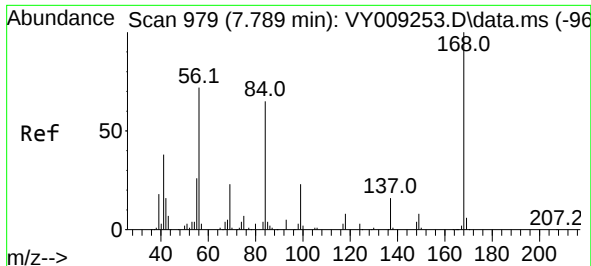
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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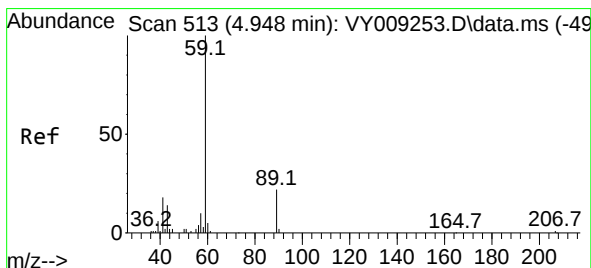
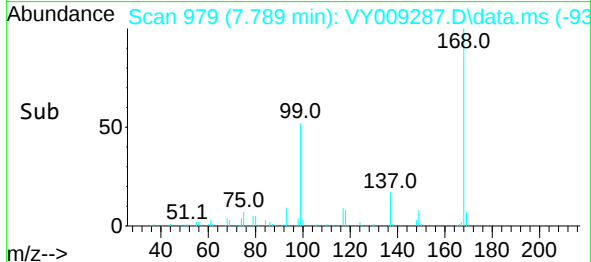
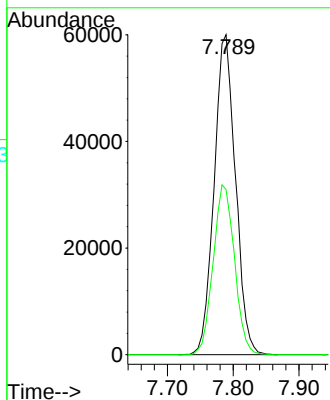
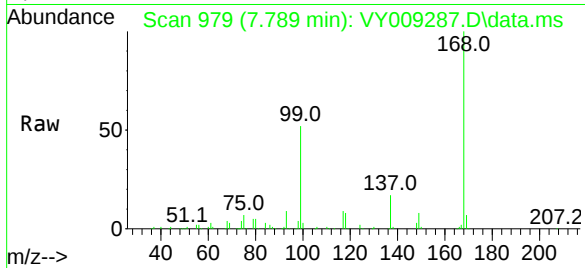




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

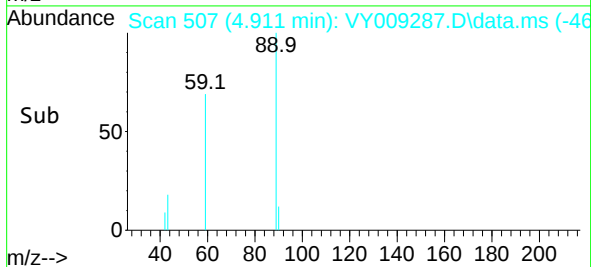
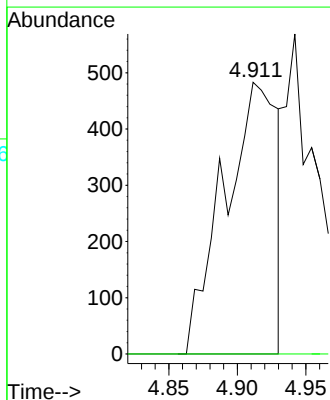
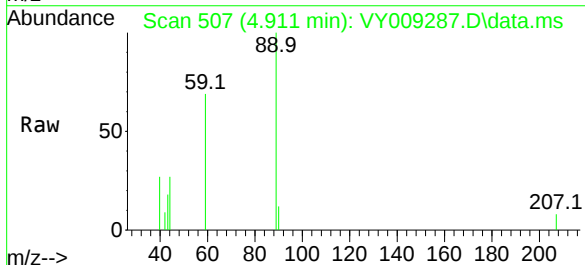
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS010-22

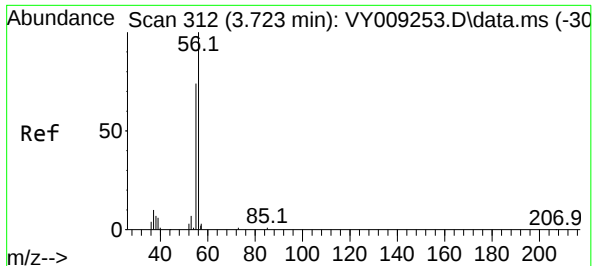
Tgt Ion:168 Resp: 135407
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion: 59 Resp: 1302
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

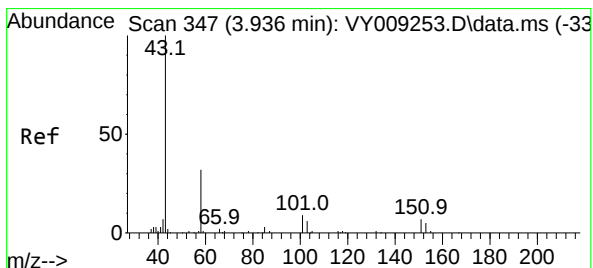
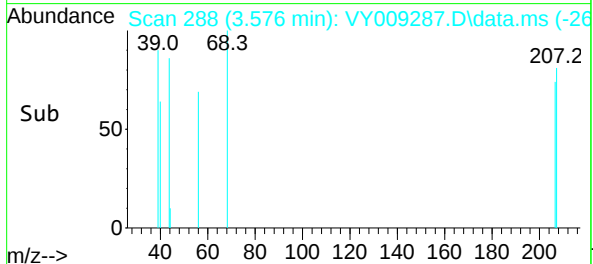
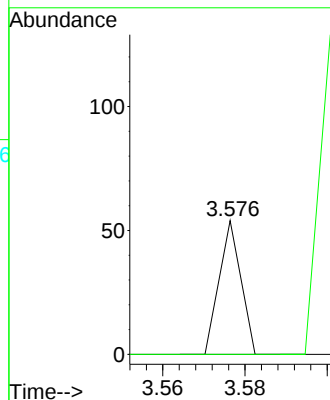
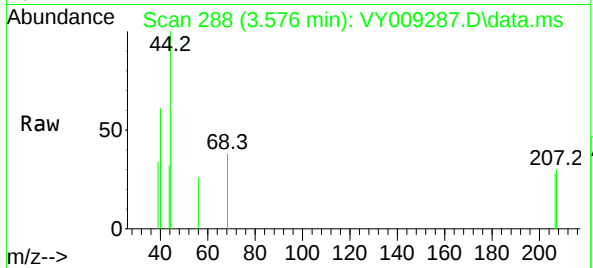




#13
Acrolein
Concen: 30.339 ug/l
RT: 3.576 min Scan# 21
Delta R.T. -0.147 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

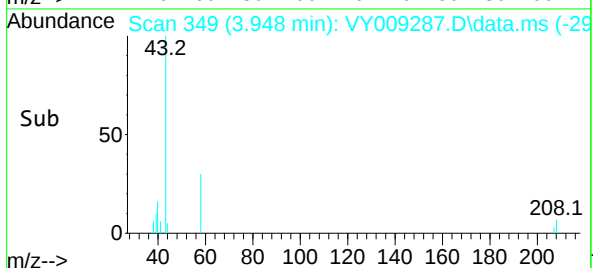
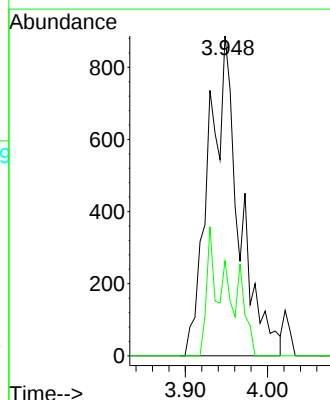
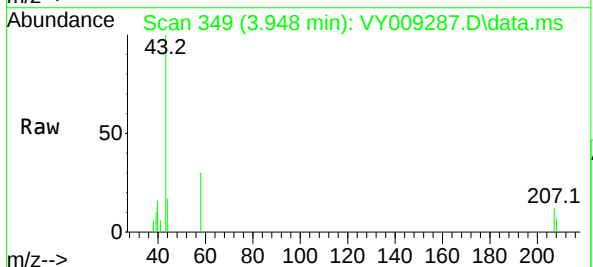
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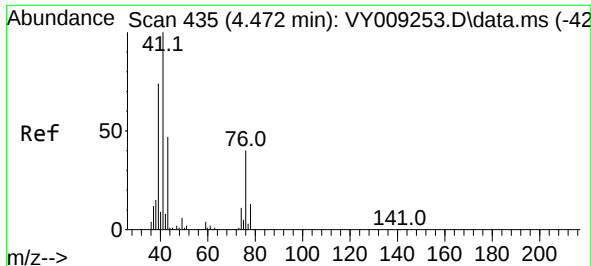
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 6.230 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
58 29.7 22.0 33.0

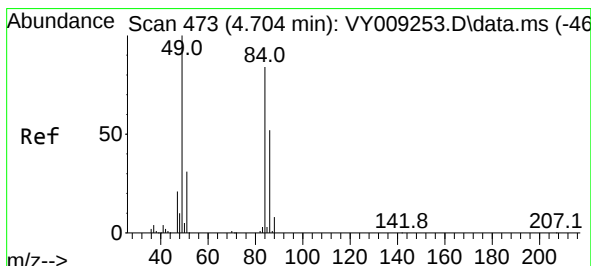
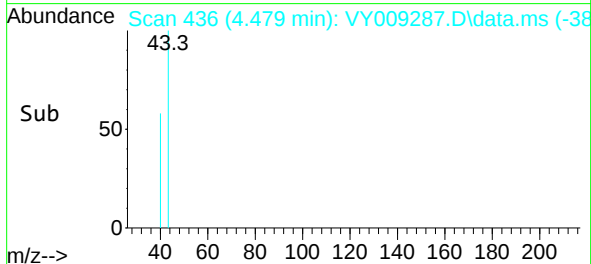
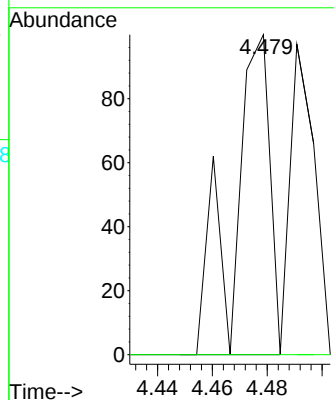
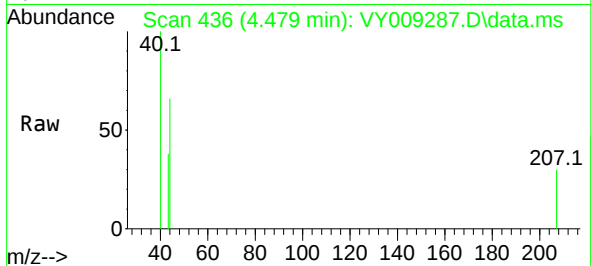




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

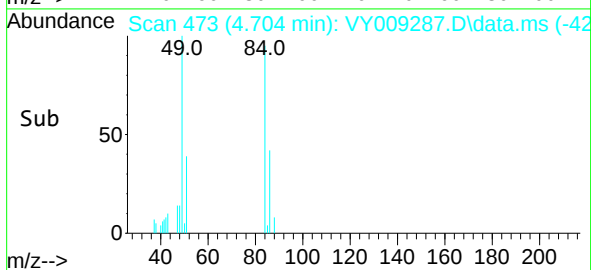
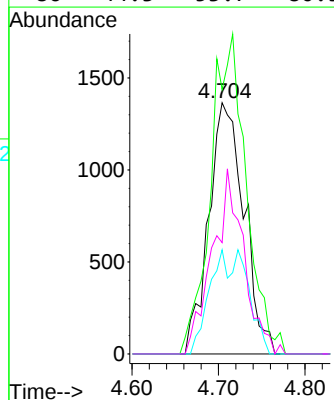
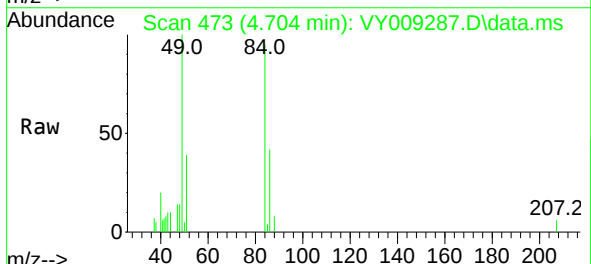
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS010-22

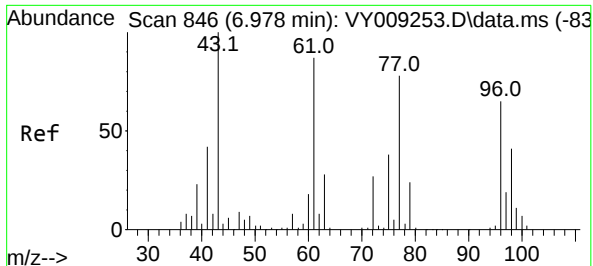
Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion: 84 Resp: 3869
Ion Ratio Lower Upper
84 100
49 105.3 114.4 171.6#
51 41.5 35.3 52.9
86 44.3 53.7 80.5#





#25

2-Butanone

Concen: 2.196 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009287.D

Acq: 23 Jun 2022 12:04

Instrument :

MSVOA_Y

ClientSampleId :

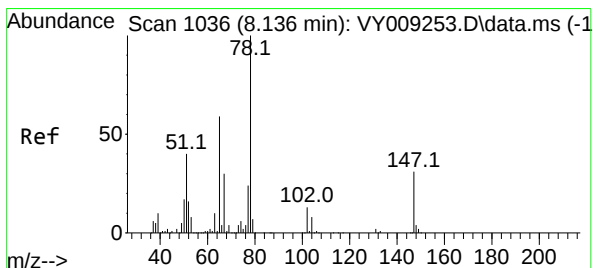
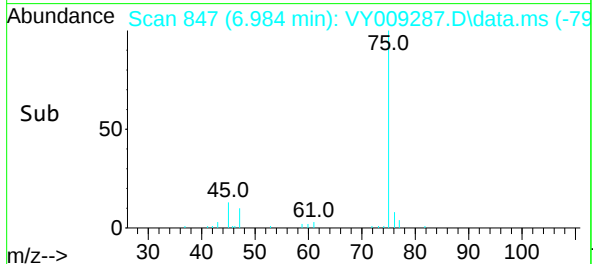
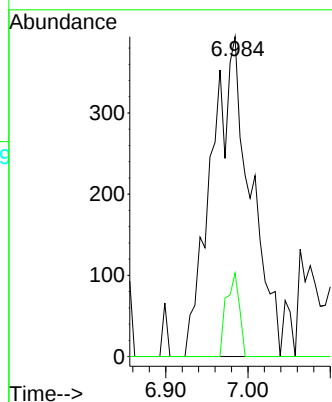
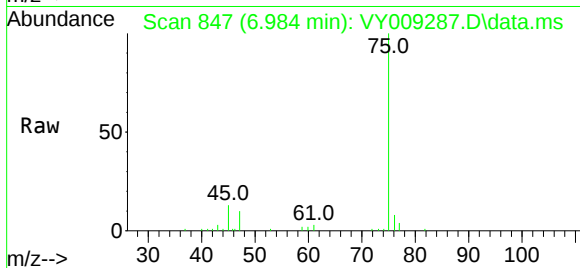
QA-QC-COMP-XRDS010-22

Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

72 26.1 17.7 26.5



#33

1,2-Dichloroethane-d4

Concen: 49.716 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY009287.D

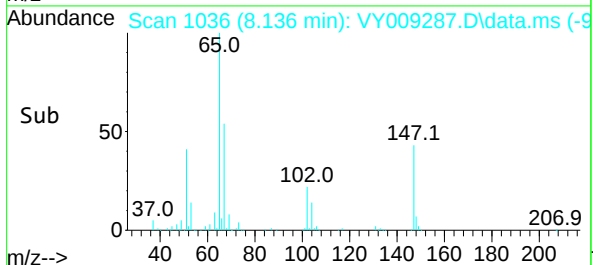
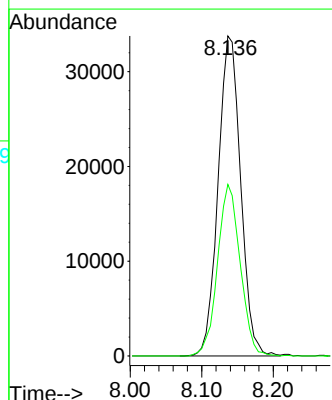
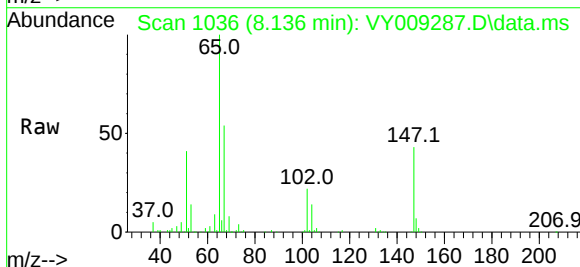
Acq: 23 Jun 2022 12:04

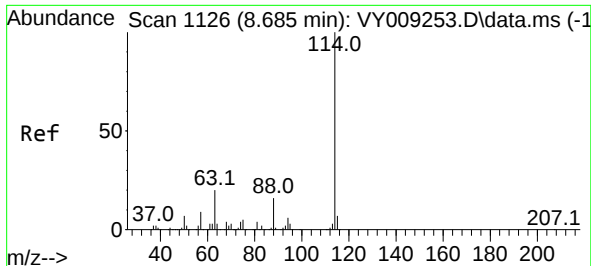
Tgt Ion: 65 Resp: 73934

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4

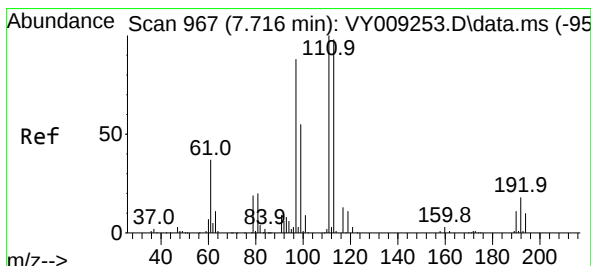
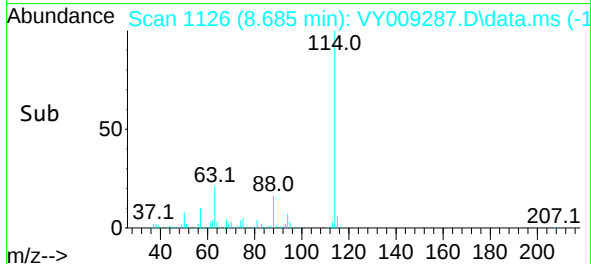
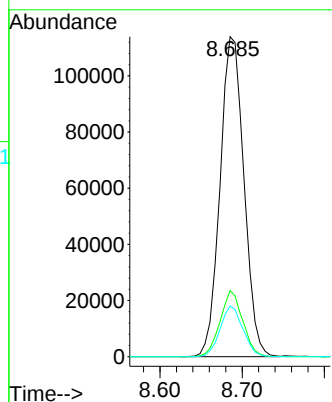
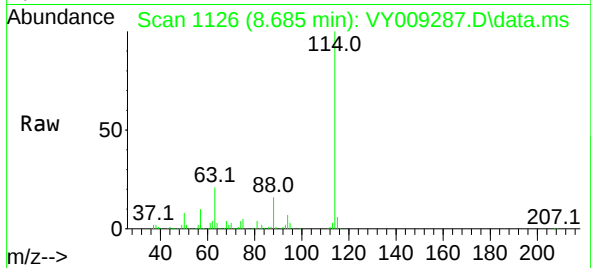




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

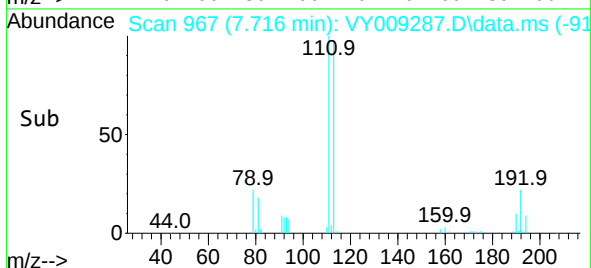
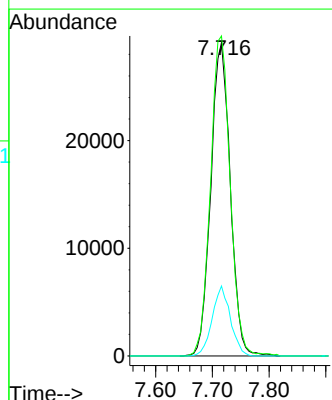
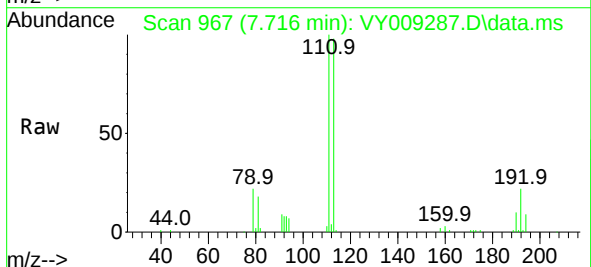
Instrument :
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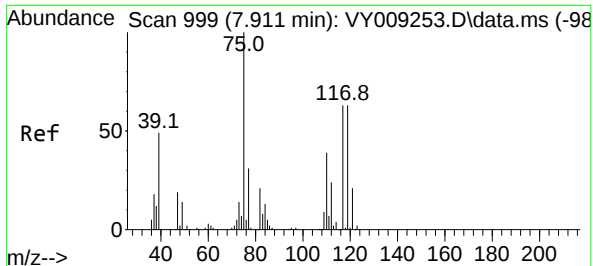
Tgt Ion:114 Resp: 230017
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.2
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.505 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion:113 Resp: 69275
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 20.9 17.6 26.4

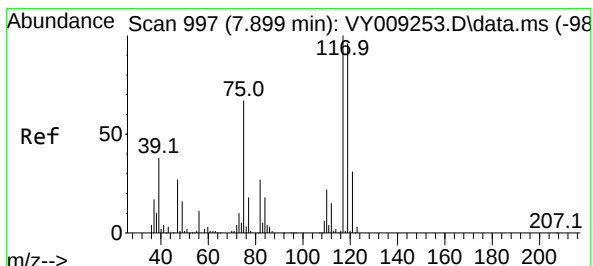
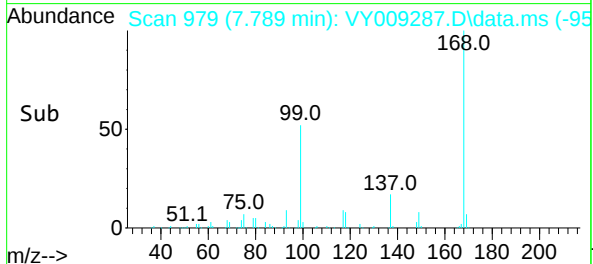
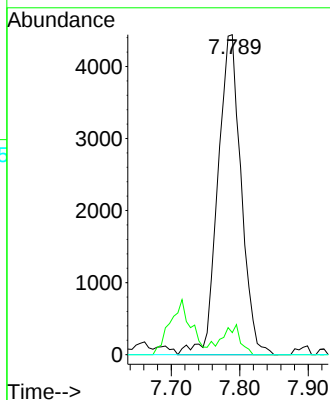
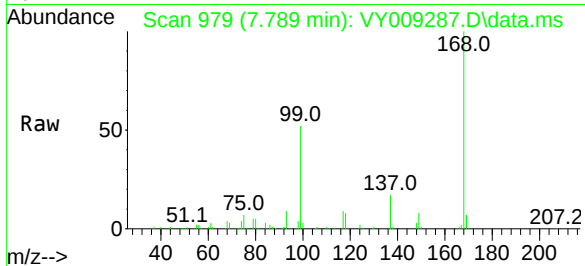




#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

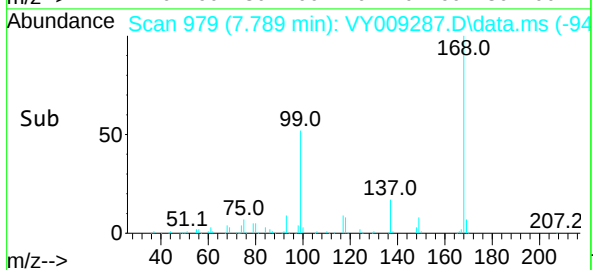
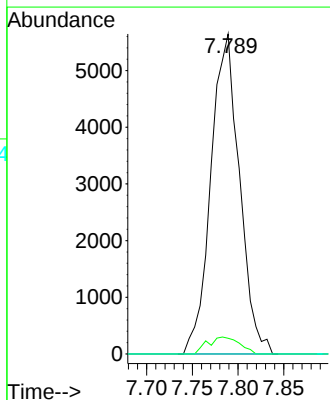
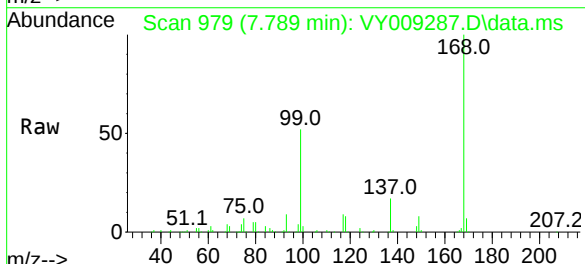
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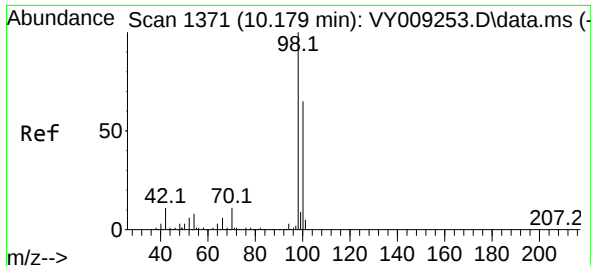
Tgt Ion: 75 Resp: 10473
Ion Ratio Lower Upper
75 100
110 7.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion: 117 Resp: 12311
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#

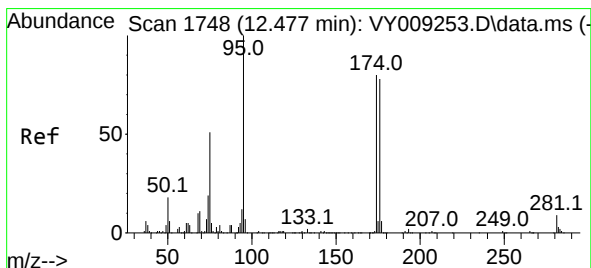
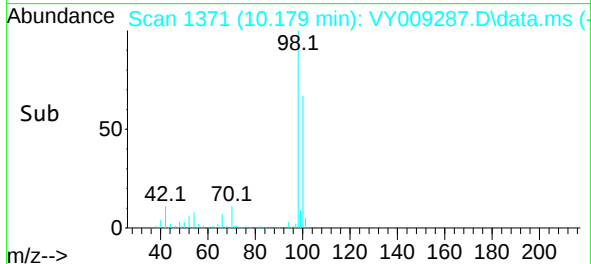
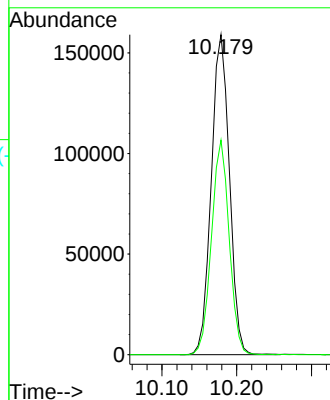
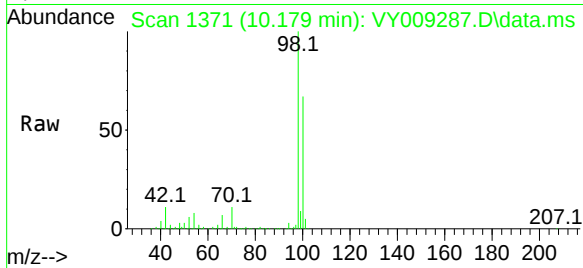




#50
Toluene-d8
Concen: 46.855 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

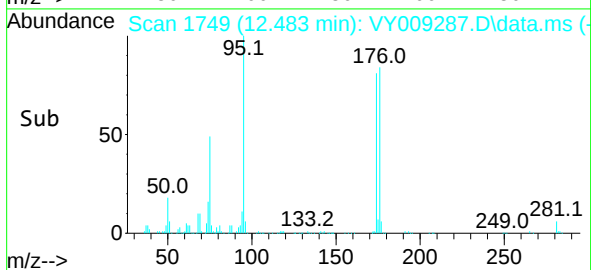
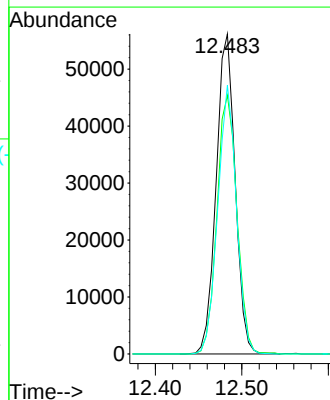
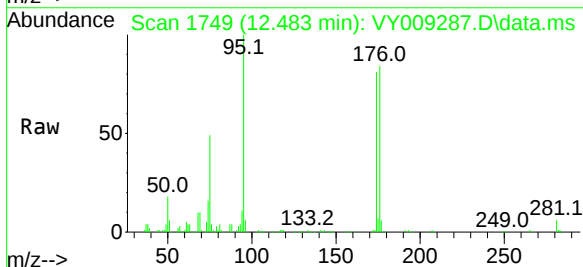
Instrument :
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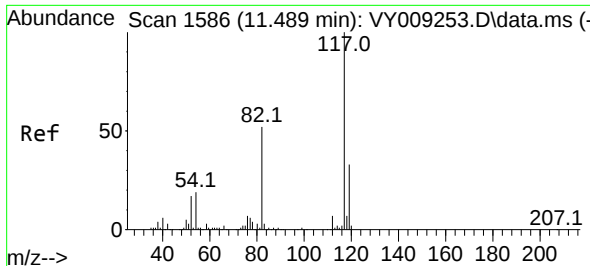
Tgt Ion: 98 Resp: 268126
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.418 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion: 95 Resp: 85294
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 82.9 0.0 175.8

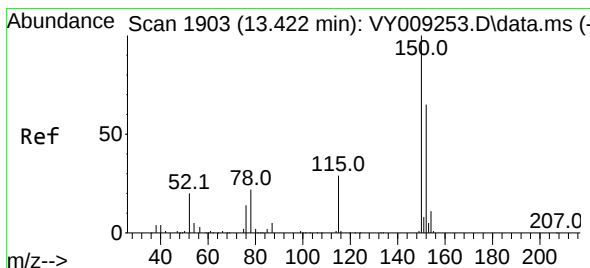
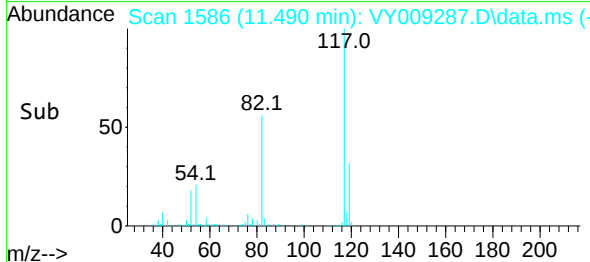
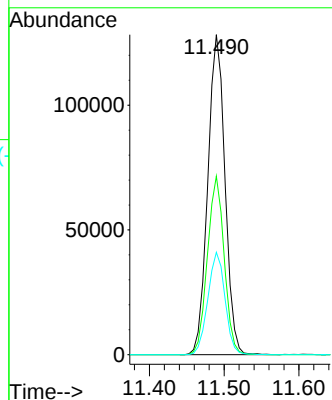
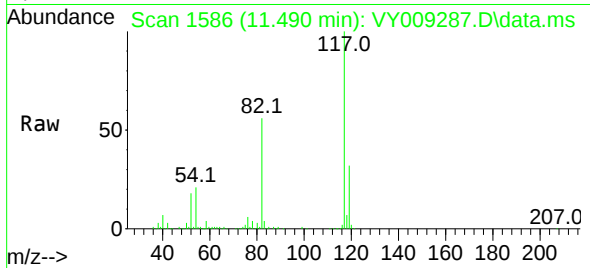




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

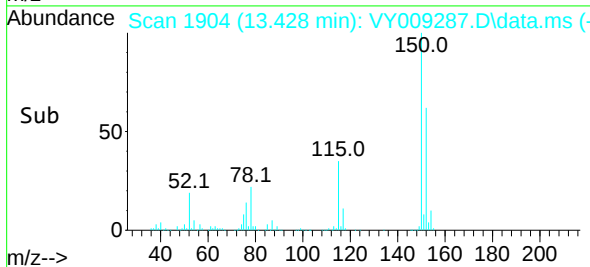
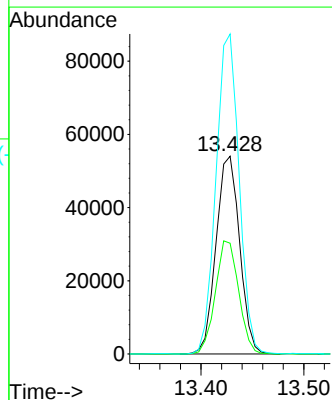
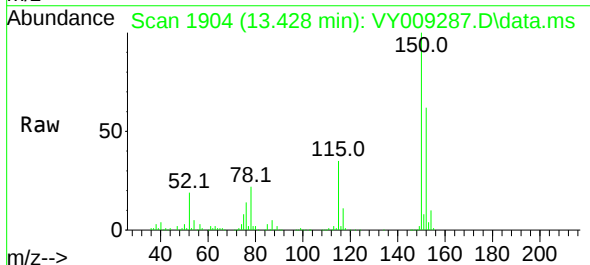
Instrument :
MSVOA_Y
ClientSampleId :
QA-QC-COMP-XRDS010-22

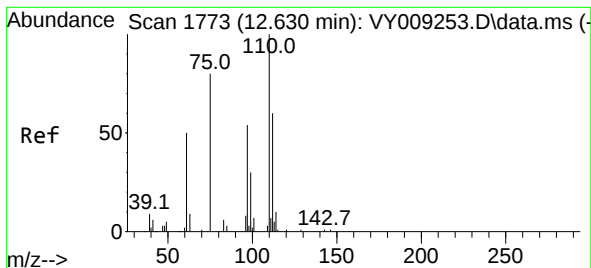
Tgt Ion:117 Resp: 204900
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY009287.D
Acq: 23 Jun 2022 12:04

Tgt Ion:152 Resp: 86103
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.7
150 158.3 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 42.019 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY009287.D

Acq: 23 Jun 2022 12:04

Instrument :

MSVOA_Y

ClientSampleId :

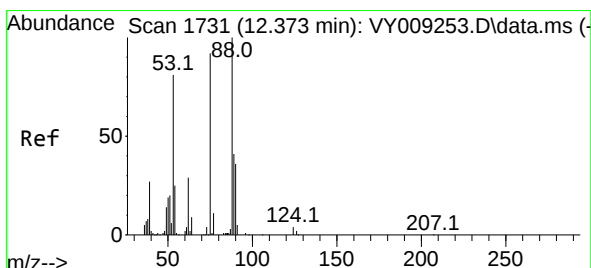
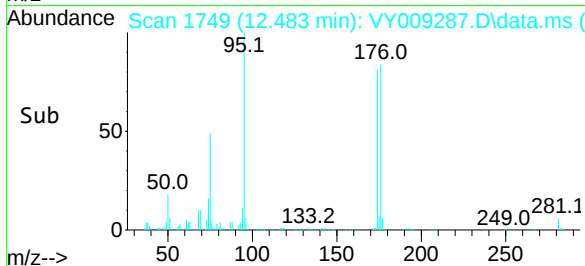
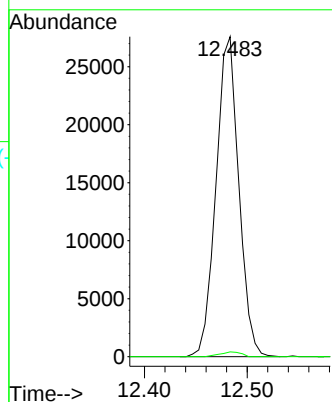
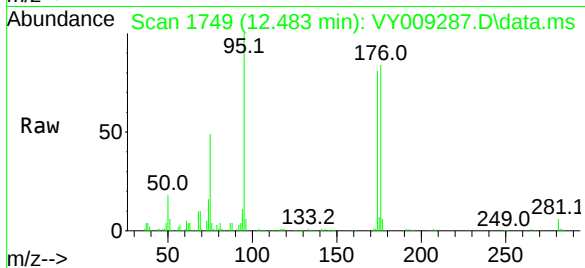
QA-QC-COMP-XRDS010-22

Tgt Ion: 75 Resp: 42417

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.094 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY009287.D

Acq: 23 Jun 2022 12:04

Tgt Ion: 75 Resp: 42417

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

